

# Receiving Report

Date:

14-11-12

Batch No:

136863

Supplier:

Core

Dart P/O:

26298

Packing Slip: Yes ☐ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒  
 New Supplier: Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐ N/A ☐  
 Shipment Complete: Yes ☐ No ☒ N/A ☒  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

JP

Production/Admin:

Date

Received/Costing

Initial

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Location

\_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO26298**

Purchase Order Date 10/29/2014

PO Print Date 10/29/2014

Page Number 1 of 1

**Order From :**

C.O.R.E. AVIATION SERVICES  
16305 E. TWIN ACRES DRIVE  
GILBERT, AZ 85297  
US

VU-COR001

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FA26298

**Contact Name**

**Vendor Phone** 480 497 6136

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Overnight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 10

**Currency**

USD

**FOB**

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	AN6C44A	Bolt	10/31/2014 Yes 10/31/2014	FN	80.00 Each	\$14.00	\$1,120.00
Line Total:							\$1,120.00
2	71401-45	PROCUREMENT QUALITY CLAUSES	10/31/2014 No 10/31/2014		1.00 ✓	\$0.00	\$0.00
Line Total:							\$0.00
PO Total:							\$1,120.00

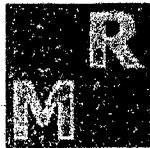
Rec'd 52x  
SP14-11

PO Instructions: Fedex Acc#151793240

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 10/29/2014



# C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

Email: sales@coreaviation.com

## Packing List

Ship Doc : CA141111-2

Printed : 11/11/2014

No. Items : 4

Page : 1 of 1

### Bill To:

Dart Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

### Ship To:

Dart Aerospace Ltd.  
Main Finished Goods Location  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Sales Order : 26452

AWB : 771820242512

Resale : Not On File

Order Date : 11/11/2014

Customer# : DALD

Buyer :

Ship Date : 11/11/2014

Terms : N 10

Contact : 613-632-9577

Ship Via : FEDEX

Sales Person: sale2

Weight :

Ship Account: 151793240

FOB : GILBERT, AZ

No. Boxes :

Dimensions :

Item	Part Number/Description	CD	Location	UM	QTY	B/O	Shipped	Cust. PO#
1	AN6C44A BOLT NSN:5306-00-275-9647	FN	HC202	EA	52	0	52	26298
1	AN4C47A BOLT NSN:5306-00-543-5079	FN	HC202	EA	50	0	50	26452
2	AN4C52A BOLT NSN:5306-00-197-6277	FN	HC202	EA	12	0	12	26452
3	MS20426AD10-9A RIVET-CLEAR ANODIZED FINISH	NE	HC202	EA	100	0	100	26452

Printed by ARMS © Internet Business Applications www.IBApps.com (559)974-7616

### TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE

SUBJECT TO A RESTOCK CHARGE.

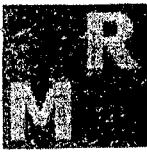
\*\*\*\*\*

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0060

\*\*\*\*\*



# C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

Email: sales@coreaviation.com

DUPLICATE

## Invoice

Invoice : CA141111-2

Date : 11/11/2014

No. Items : 1

Page : 1 of 1

To:  
Dart Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Ship To:  
Dart Aerospace Ltd.  
Main Finished Goods Location  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Sales Order : 26298	AWB : 771820242512	Resale : Not On File
Your Order# : 26298	Customer# : DALD	Buyer :
Order Date : 10/29/2014	Terms : N 10	Contact : 613-632-9577
Ship Date : 11/11/2014	Sales Person: KAIZER HUSEIN	Weight :
Ship Via : FEDEX	FOB : GILBERT, AZ	No. Boxes :
		Dimensions :

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
1	AN6C44A BOLT NSN: 5306-00-275-9647	52	0	FN	\$14.00 EA	\$728.00

*Handwritten signature: [Signature]*

Printed by ARMS © Internet Business Applications www.IBApps.com (888)674-7516

### TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.  
MATERIAL IS SUBJECT TO YOUR INSPECTION  
OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.  
OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.  
NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.  
DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.  
NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE  
SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

#####

Sub Total :	\$728.00
Tax Total :	
S + H :	\$0.00
Balance :	\$728.00

# CERTIFICATE OF CONFORMANCE

## C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE, GILBERT, AZ 85298, USA

Phone: 480-497-6136 Fax: 480-497-3568 FAA Sta. #: Web:

---

Invoice : CA141111-2  
Date : 11/11/2014  
PO : 26298  
Issued By : KAIZER HUSEIN  
Page : 1 of 1

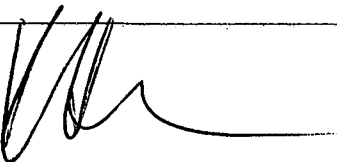
THIS IS TO CERTIFY THAT ALL GOODS ON C.O.R.E. INVOICE WERE SHIPPED IN ACCORDANCE WITH THE PART SPECIFICATIONS ON CUSTOMERS PO & TO THE BEST OF OUR KNOWLEDGE AND BELIEF, MEET THOSE STANDARDS.

ITEM(S) WERE DETERMINED TO BE IN STATED CONDITION BY VISUAL CONDITION AND OR IN ACCORDANCE WITH RECEIVING RECORDS.

ALL DETAILED RECORDS ARE KEPT ON FILE AT C.O.R.E. AVIATION SERVICES FOR ANY FUTURE CUSTOMER INSPECTION.

Item	Part Number/Description		Shipped	CD
1	AN6C44A Lot:15632	BOLT	52	FN

---



KAIZER HUSEIN

**BUTLER, INC.**

• 1600 W. 166th STREET  
GARDENA, CA 90247

# Packing List

Customer No.: C.O.R.E

Ship To: **CORE AVIATION SERVICES, INC.**  
16305 E. TWIN ACRES DR.  
GILBERT, AZ 85298

Bill To: **CORE AVIATION SERVICES, INC.**  
16305 E. TWIN ACRES DR.  
GILBERT, AZ 85298

Date		Ship Via		F.O.B.		Terms	
02/26/14		WILL CALL		Origin			
Purchase Order Number			Order Date	Sales Person			Our Order Number
STK140226			02/26/14				16903
Quantity			U/M	Item Number	Description	Serial Number	
Req	Shipped	B.O.					
205	205		each	AN6C44A	LOT 15632		

**BUTLER INC.**

~~Thank You~~

1600 West 166th Street Gardena, CA 90247  
(310) 323-3114 FAX (310) 324-0914



PERRY JOHNSON  
REGISTRARS, INC.

ISO 9001 REGISTERED

# BUTLER INC.

1600 W. 166th STREET  
GARDENA, CALIFORNIA 90247  
(310) 323-3114 / FAX (310) 324-0914



PERRY JOHNSON  
REGISTRARS, INC.

ISO 9001 REGISTERED

CAGE # 59053

C.O.R.E. AVIATION SERVICES  
16305 E. TWIN ACRES DRIVE  
GILBERT, AZ 85298

## CERTIFICATE OF COMPLIANCE

BUYER ORDER NO.: STK140226      ITEM: 1

NSN #: NA      PART NUMBER: AN6C44A      REV: 2

DESCRIPTION: BOLT, HEX HEAD, .3750-24 x 4.578, 431, PASSIVATE

SPECIFICATIONS: NASM6812-3, ASTM A 493-09, AMS-H-6875B, AMS2700E

QUANTITY: 205      LOT #: 15632      HEAT #: G18835

BUTLER INC. HEREBY CERTIFIES THAT THIS LOT HAS BEEN PRODUCED, SAMPLED, INSPECTED, TESTED, MARKED AND PACKAGED IN ACCORDANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS. FURTHERMORE, BUTLER INC. CERTIFIES THAT DOCUMENTED EVIDENCE OF COMPLIANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS APPLICABLE TO THIS LOT IS ON FILE AT OUR PLANT IN THE FORM OF MECHANICAL, METALLURGICAL AND/OR CHEMICAL TEST REPORTS AND INSPECTION RECORDS, AND IS AVAILABLE FOR BUYERS REVIEW.

DATE OF EXECUTION: 02/26/14

SIGNATURE: Tod F. Polidori

TOD F. POLIDORI

TITLE: Q.A. MANAGER

Form #BIC015  
Rev 11/97

Order No: 3440497  
Time 15:45:40



**FRY STEEL COMPANY**  
Registered ISO 9001  
13325 MOLETTE ST.  
SANTA FE SPRINGS, CA 90670  
(562) 802-2721

B04163  
Cust. NO.: 22899  
P.O. NO.:

## CERTIFICATE OF COMPLIANCE

BUTLER INC \*\*\*  
1600 W 166TH ST  
\*\* MAIL OUT INVOICES \*\*  
GARDENA CA 90247-4704

ROOKE MFG  
3360 W HARVARD ST

SANTA ANA CA 92704-3920

07/16/12

QTY	--DESCRIPTION--	--ITEM CODE--	--HEAT NUMBER--
	CD 431 ANN AMS 5628 GREEN/YELLOW		
47	BARS .385"RD PIE	12'RL 4250	G18835

REVIEWED BY:



DATE:

9-14-12

### NOTICE

**A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED\***

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.  
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

**AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC,ETC.)**

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED  
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

**NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM  
CONTAMINATION AT TIME OF SHIPMENT**

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.  
\*WHEN APPLICABLE

**RAW MAT'L USED  
FOR LOT #**

15632

CHIP SANDOVAL - Q.C. MANAGER





# Dunkirk Specialty Steel, LLC

A Universal Stainless Company

P.O. Box 319  
830 Bringham Rd.  
Dunkirk, NY 14048

Quality System Registered to  
ISO9001 and AS9100

## Material Certification

MILL ORDER: 0042390  
PART NUMBER: S#4250  
P.O. NUMBER: 46809-25

P.O. DATE: 11/22/2011

PAGE NUMBER: 1 of 1

PRINTED: 7/25/12 14:03

S FRY STEEL COMPANY  
O T P.O. BOX 4048  
L O  
D

SANTA FE SPRINGS, CA 90670

S FRY STEEL CO  
H T C/O C.M.I. FREIGHT TRANS  
I O 4201 WEST 36TH ST  
P

CHICAGO, IL 60623

Material Description: STAINLESS STEEL ROUND BAR 431 EAF+AOD ANNEALED CENTERLESS GROUND AMS 2303F, ASTM A484-10, MIL-S-18732D, AMS-S-18732B, AMS 5628F, McDonnell Douglas DMS-1565G (except sonic), Hi Shear #115J (Type II, chemistry only), Federal QQ-S-763C Am. 2 (431 cond. A, exc. hard. & impact), waive CLM, ASTM A276-10 (431).

Size: .3850 DIAM X 132.0000 MIN/ 156.0000 MAX RANDOM LENGTH

Heat Number	C	MN	SI	S	P
G18835	0.15	0.60	0.35	0.004	0.020
	CR 16.12	W <0.05	V 0.03	NI 2.19	MO 0.06
	CO <0.05	CU 0.15	SN 0.010	PB	CB 0.02
	TA	AL <0.01	TI <0.01	FE	B
	O	MG	CA	SE	ZR
	AG	BI	N 0.048	H	CQ

HARDNESS (AS SHIPPED): 262 BHN

TENSILE CAPABILITY: 1875F/1HR/OQ+1175F/3HR/AC

T/S KSI	Y/S KSI	VEL
152.4	114.7	18.9

TENSILE CAPABILITY: 1875F/1HR/OQ + -100F/2HR/AC+550F/2HR/AC + 550F/2HR/AC

T/S KSI	Y/S KSI	VEL	WR/A
214.9	158.4	16.0	59.0

HARDENABILITY : Rc 49.0

MICRO TEST: ACCEPTABLE

MACRO ETCH TEST: ACCEPTABLE

GRAIN SIZE: 8

FERRITE: <4%

MAGNETIC PARTICLE F/S = 0/0

KNOWINGLY RECORDING FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.

FRY STEEL CO. CERTIFIES THAT THIS IS  
A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

S# 4250

MELT SOURCE: UNIVERSAL/DUNKIRK

CHEMICAL BALANCE IS Fe

MATERIAL MELTED IN THE USA BY UNIVERSAL STAINLESS & ALLOY PRODUCTS, BRIDGEVILLE, PA

MATERIAL MANUFACTURED IN THE USA

11 20 2012

BY   
CHIP SANDOVAL - C.C. MANAGER

/S/John M. Berry

/S/John M. Berry

Prepared by: John M. Berry, QA

John M. Berry, QA Technician

07/25/12

Date

Melted and manufactured in compliance with DFARS 252.225-7014 ALT 1. Melted by USAP in Bridgeville, PA, USA. Certification IAW DIN 50 049 / EN 10204 3.1. Material complies with EU directive 2002/95/EC (RoHS). The test results shown are certified to be a correct statement of records that were derived from testing samples of the material. Results meet applicable specifications. No welding was performed on the material supplied on this order. Material is free from mercury contamination. Material is of NAFTA origin. This material was produced under the Dunkirk Specialty Steel Quality Management System documented in QP Manual, Rev. 6 dated 1/6/2012, conforming to NCA-3800. Material testing was performed as applicable in accordance with ASTM A370, A604, E8, E10, E18, E23, E45, E112, E139, E381, E572, E1019, STP-CHEM-GDS, E1444, & AMS 2315. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal Law, Title 18, Chapter 47. Test results are maintained in company records.

**CONTINENTAL**

HEAT TREATING, INC.

10643 S. NORWALK BL.  
SANTA FE SPRINGS  
CALIFORNIA 90670  
562-944-8808  
800-622-6624  
FAX 562-944-1499  
www.continentalht.com**CERTIFICATION**CERTIFICATION NUMBER  
618835S O L D  
BUTLER INC  
1600 W 166TH STREET  
GARDENA, CA 90247-4704S H I P T O  
BUTLER INC  
1600 W 166TH STREET  
GARDENA, CA 90247-4704

CUSTOMER NUMBER 0047500 DATE RECEIVED 09/26/12 CUSTOMER P.O. NUMBER 23924 CUSTOMER SHIPPER

QUANTITY  
1270WEIGHT  
209PART NUMBER / DESCRIPTION  
AN6C44A REV.2 LOT# 15632 3 PANS  
HEAT# G18835  
END USER: C.O.R.E.  
H/T, 125-145 KSI PER P.O.

MATERIAL 431 S/S HARDNESS 26-32 HRC MAX-CROSS SECTION .385 CASE DEPTH CORE HARDNESS

SPECIFICATIONS AMS 2759/5 D AMS-H 6875 B

PROCESS	SPEC TEMP	SPEC TIME	EQUIP.	ACT TEMP	TIME IN	TIME YAT-HEAT	TIME OUT	ATMOS DEWPT	Q-MED & TEMP	DATE
RACK VERT			RACK		1:00					10/05
PRECLEAN	140	:05	WASH	140	18:40	18:40	18:45	AIR	A/C	10/05
LOADCOUPLE		/	WIRE		.08	Y				10/08
SET V P			ATMOS		.02	Y				10/08
AUSTENITIE	1875	:45	V1	1875	20:49	00:00	00:45	VAC	OIL	10/08
SUBZERO	-100	2:00	CB3	-100	02:55	03:10	05:10	NIT	A/W	10/09
TEMPER 15	1125	3:00	D12	1125	12:35	13:30	16:30	AIR	A/C	10/09
TEST RESULTS: 31 HRC					LAB#: 427/07911	TEST: 1	ACCT: 1270	REJT: 0		
TEMPER 15	1125	3:00	D12	1125	00:25	01:20	04:20	AIR	A/C	10/10
GLASS BEAD			B2		4:00	Y				10/11

JRM/110W  
10/15/12

REVIEWED BY: JB A5

DATE: 10-16-12

HARDNESS: 29-32 HRC QTY TESTED: 15 QTY ACCT: 1270 QTY REJT: 0

INSPECTOR  
WALTER WILLIAMS JR.DATE  
10/12/12

JIMMY MARTINEZ QUALITY MANAGER FOR DON LOWMAN

This Process Certification covers thermal processing and/or hardness testing only. No particular mechanical properties of any material should be assumed, or are implied, as a result of the thermal processing and/or hardness testing cited on this Process Certification. Material processed in a mercury-, radium- and asbestos-free environment. Unless otherwise specified above, for all AMS material specifications, no qualification of periodic testing has been performed. ALL FURNACES CERTIFIED TO MEET THE REQUIREMENTS OF AMS-H-6875, CURRENT REVISION. HARDNESS TESTING PERFORMED TO THE LATEST REVISION OF ASTM E 384. ASTM E 10. ASTM E 110. ASTM E 18. ASTM E 140 AND ASTM A 370.



Element Materials Technology  
15062 Bolsa Chica  
Huntington Beach, CA  
92649-1023 USA

P 714.892.1961  
F 714.892.8159  
T 888.786.7555  
info.hb@element.com  
element.com

Contact: Tod Polidori  
Butler, Inc.  
1600 West 166th Street  
GARDENA, CA 90247

### TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 11/15/2012  
Purchase Order Number: 24091  
Work Order Number: BUT004-11-13-02864-1

Part No.:	AN6C44A REV. 2
Lot No.:	15632
Heat No.:	G18835
Material:	431
Specification:	NASM 6812-2

### FASTENER EVALUATION — STAINLESS STEEL

Number of Pieces: 5  
Etchant:  
Micro: Vilella's  
Temperature: Ambient  
Magnification: 100X/200X  
Macro: Vilella's  
Temperature: Ambient  
Magnification: 20X  
Grain Flow:  
Head: Grain flow follows the contour of the head. (Acceptable)  
Head to Shank Fillet: Grain flow follows the contour of the head to shank fillet. (Acceptable)  
Threads: Grain flow follows the contour of the threads. (Acceptable)  
Cracks: The entire sample shows no evidence of cracks.  
Discontinuities / Defects:  
Head: No discontinuities / defects found.  
Threads:  
Crest Laps: 0.002" (Within limits)  
Flank Laps: No discontinuities / defects found.  
Root Laps: No discontinuities / defects found.  
Grain Growth: None  
Grain Size: ASTM 7.0  
Surface Condition on Head: No surface contamination (IGA) found.  
Surface Condition on Threads: No surface contamination (IGA) found.  
Microstructure: Exhibits fine tempered martensite with no visible carbide precipitation in the grain boundaries.  
Surface Hardening: None except as created in cold working rolling of threads.

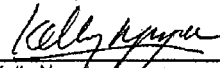
### MATERIAL CONFORMS TO SPECIFICATION

This document contains technical data whose export and re-export/ retransfer is subject to control by the U.S. Department of Commerce under the Export Administration Act and the Export Administration Regulations. The Department of Commerce's prior written approval may be required for the export or re-export/retransfer of such technical data to any foreign person, foreign entity or foreign organization whether in the United States or abroad.

REVIEWED BY: 

DATE: 11-15-12

Respectfully submitted

  
Kelly Nguyen

Senior Quality Administrator

15062 Bolsa Chica, Huntington Beach, CA 92649  
(714) 892-1961 ph • (714) 892-8159 fax www.element.com

The information contained in this certification represents only the material submitted and is certified only for the quantities tested. Reproduction except in full is reserved pending written approval. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punishable as a felony under federal law. All testing was performed in a mercury free environment. **All testing performed in accordance with the latest edition of the applicable ASTM, or other Federal Test Method in effect at the time of test.**



**PERRY JOHNSON  
REGISTRARS, INC.**

ISO 9001 REGISTERED

# BUTLER INC.

1600 W. 166th STREET  
GARDENA, CALIFORNIA 90247  
(310) 323-3114 / FAX (310) 324-0914



**PERRY JOHNSON  
REGISTRARS, INC.**

ISO 9001 REGISTERED

## CERTIFIED TEST REPORT

CAGE CODE: 59053

PART NO: AN6C44A REV: 2  
LOT NO: 15632  
HEAT NO: G18835  
MAT'L: 431

PROCUREMENT SPEC: NASM6812 REV: 2  
LOT SIZE: 1249  
TEST DATE: 11/16/12  
CERTIFICATION NO: 4613

Test type: **Rockwell hardness**

Test value: N/A

Test method:

Butler procedure no:

Results:

1.	5.	9.	13.	17.	21.	25.	29.
2.	6.	10.	14.	18.	22.	26.	30.
3.	7.	11.	15.	19.	23.	27.	31.
4.	8.	12.	16.	20.	24.	28.	32.

Technician: \_\_\_\_\_

Stamp: \_\_\_\_\_

Test type: **Axial tensile**

Test value: 10100 lbs min

Test method: NASM1312-8

Butler procedure no: BIQOP-5-8-4

Results:

1. 14844 lbs	5. 14613 lbs	9.	13.	17.	21.	25.	29.
2. 14816 lbs	6.	10.	14.	18.	22.	26.	30.
3. 14715 lbs	7.	11.	15.	19.	23.	27.	31.
4. 14353 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: P. Ron

Stamp:

Flavio Ron

Test type: **Double shear**

Test value: 16560 lbs min

Test method: NASM1312-13

Butler procedure no: BIQOP-5-8-5

Results:

1. 20699 lbs	5. 20922 lbs	9.	13.	17.	21.	25.	29.
2. 20737 lbs	6.	10.	14.	18.	22.	26.	30.
3. 20598 lbs	7.	11.	15.	19.	23.	27.	31.
4. 20816 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: P. Ron

Stamp:

Flavio Ron

Test type: **Recess torque**

Test value: N/A

Test method:

Butler procedure no:

Deformation allowable:

Installation:

Removal:

Sample size:

Results:

Technician: \_\_\_\_\_

Stamp: \_\_\_\_\_

Test type: **Magnetic permeability**

Test value: N/A

Test method:

Butler procedure no:

Results:

Sample size:

Technician: \_\_\_\_\_

Stamp: \_\_\_\_\_

Material, as tested, conforms to specification requirements. The information on this report represents only the material tested. This report shall not be reproduced except in full without the written approval of Butler Inc.



# HADD-CO INSPECTION LAB

2420 Amsler Street, Torrance, CA 90505

Toll Free: (888) 339-8472 Phone: (310) 325-7620 Fax: (310) 325-9655

www.haddco.com Email: NDT@haddco.com

NO. 14768

Sold To:

BUTLER, INC  
1600 W. 166TH ST.  
GARDENA, CA 90249

P.O. Number:

24094


Job/Lot #:

15632

Completion Date:

11/16/12

## CERTIFICATION

QUANTITY	PART NUMBER	DESCRIPTION
32	AN6C44A REV. 2	MPI PER ASTM E1444M-11 NASM6812-2 MAT: 431 NOT PLATED HEAT# G18835  NO REJECTS
REVIEWED BY:  DATE: 11-19-12		

This is to certify that 100% of the parts under subject purchase order have been inspected by Magnetic Particle Inspection in accordance with all applicable and/or purchase order requirements.

Inspector:

MARTIN J. DIAZ Level II



NOTE: Altering of this certification renders it void.

**Allblack Company, LLC**

13090 Park St.  
Santa Fe Springs, CA 90670  
Phone: (562) 946-2955  
Fax: (562) 946-6665

**Certificate of Conformance**

To: Butler Inc.  
1600 West 166th Street  
Gardena, CA 90247  
United States

From: Allblack Company, LLC  
13090 Park St.  
Santa Fe Springs, CA 90670

Packing List No: 326480  
Shipping Date: 11/20/12

Today's Date: 11/27/12  
PO Number: 24202

**MERCURY FREE PROCESS**

<u>Quantity</u>	<u>Shipped</u>	<u>Unit</u>	<u>Description</u>	<u>Job Number</u>
1		LOT	PASSIVATE PER AMS2700E 1213PCS. OF P/N AN6C44A REV 2 LOT:15632 HT#G18835 MATL:431, 4PNS. 185#	441732
1		EA	FUEL FEE	441733

GENTLEMEN: This is to certify that the following articles have been processed and/or inspected as indicated above in accordance with military standards and specifications. If testing is not noted then no testing was performed. If a specification is not called out on the purchase order, then the process was performed per best commercial practice.

REVIEWED BY: (473)

DATE: 11-27-12



Inspector's Initials  
Allblack Company, LLC